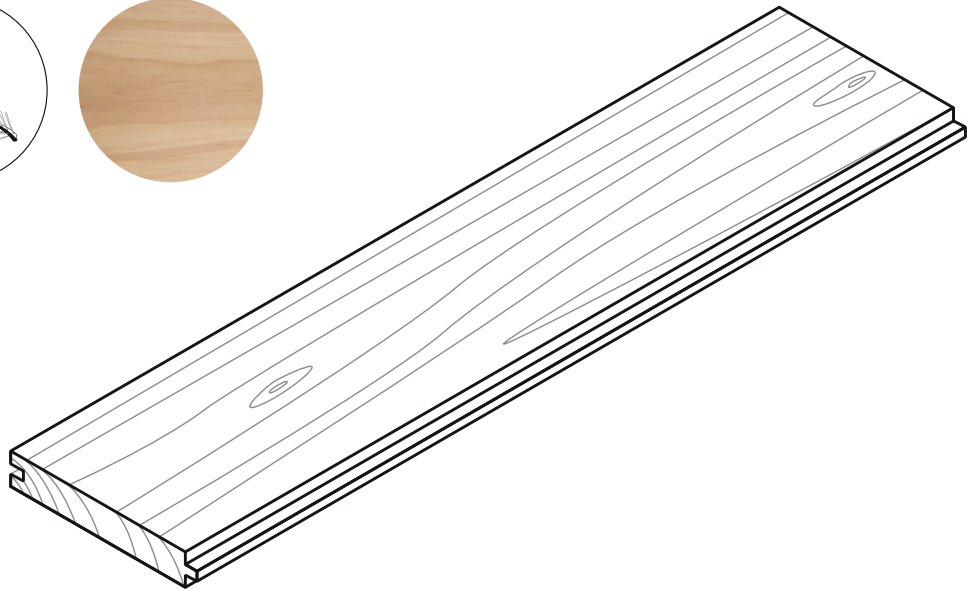




HIRAM

Habitat

PRODUCT DATA SHEET
SILVER FIR
SOLID BOARDS



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General 1 Information

ORIGIN OF OUR TIMBER



- 1.1** A rarity from the Black Forest; a resin-free conifer with excellent technical properties. Its light bark and white undersides of the needles give it its name: Silver Fir. It is also easily recognized by its upright, feathered cones. Silver firs can live 600 years and grow up to 60 metres high.

EFFECT OF THE WOOD

- 1.2** A plank floor made of the wood of silver fir creates an exceptionally bright and noble feeling of space. Characteristic of such a floor is the light wood in combination with dark knotholes. When brushed, the grain stands out particularly well and is made significantly more robust by brushing the soft annual rings.

THE MANUFACTURING PROCESS

- 1.3** First of all, the wood is air-dried. Each type of wood has its own drying time. The second drying phase takes place in state-of-the-art drying kilns, where the wood is dried down to the required residual moisture.
- Well seasoned, the boards reach our production facility to be crafted and processed. They are (pre-) planed and trimmed, defects are rejected, loose knots are glued, they are planed again and cut to final size. Knots and other irregularities are treated with a special filler and the surface is finally sanded.

2 Variations

COUNTRY HOUSE STYLE RIFT SAWN PLANKS

- 2.1** Depending on the cutting method of the log in the sawmill, the planks are available either flat sawn or rift- & quarter-sawn. The wider chateau planks are flat sawn, which results in a somewhat livelier annual ring pattern. Rift-sawn planks, on the other hand, produce annual rings which run evenly in one direction, so that the grain of the floor appears calmer overall. Rift & quarter-rift sawn planks are significantly narrower than chateau planks, which is why these are also called country house planks. It is possible to manufacture these rift & quarter-rift planks according to the dimensions desired by our customers.

Product

3 Information



Thickness x Widths	20 x 130 mm <i>*view 1.2. Country house style rift sawn planks</i> 28 x 200 250 300 mm
Length options	Room-length boards: 1- 10 m in 50 cm intervals Variable/random lengths: 1-5 m
Grading	URBAN CLASSIC or COUNTRY CLASSIC <i>*view 4.1 Grading descriptions</i>
Profiling	Longsides T&G – floorboards in room lengths Four sides T&G – variable/random boards Rear face with relief grooves
Bevel	Optional Longsides with micro-bevel 1.5 mm or straight-edged
Wood moisture content	8- 10%
Knot filler	Colour adapted to wood species
Top layer	Sanded with 80 grit, without treatment
Surface treatment	Optional Brushed or fine-sanded with 100, 120 grit + lye, oils, floor soaps oxidatively drying <i>*view 4.2 Surface treatment</i>
Bottom layer	Planed (Unplaned surfaces may result in hollows or remnants of bark)
Brinell-hardness (N/mm²)	16
Fire protection class	accord. to DIN EN 13501-1 → Cfl-s1
Thermal insulation resistance	Thickness 20 mm = 0.13 Thickness 28 mm = 0.20
Formaldehyde emission	0
Density (kg/m³)	410
Installation	Full-surface glued or screwed down
Recommended glue	Stauf SPU 570
Underfloor heating	Possible with max. 27°C surface temperature

4 Surfaces

GRADING DESCRIPTIONS



4.1

COUNTRY CLASSIC

The natural grade has a healthy knot pattern with a higher number of slightly larger knots. Natural colour differences and filled wood features may occur. The size of the knots depends on the type of wood and dimensions of the planks. In an interior, this grading creates character and cosiness.



URBAN CLASSIC

This assortment contains almost knot-free to small-knot planks. Natural colour differences may occur. The overall room effect is calm and elegant.



SURFACE TREATMENT

4.2

The silver fir is like a sheet of white paper. It absorbs the oil colour-fast and can be treated very easily. The result is immediately visible. The silver fir is also impressive in its natural appearance due to its light colour. The dark knotholes create subtle dark accents in the overall brightness. Both dark and light furnishing styles can be combined well with silver fir. The wood looks modern, fine and noble - and creates the basis for minimalist living spaces.